

New Fairchild Military Cargo Plane: First flight picture of Fairchild's C-82 Packet, powered by two Pratt & Whitney 18 cylinder R-2800-22 engines with a takeoff horsepower of 2,100 each. The plane has a range in excess of 3,500 miles and is in the 50,000 pound class.

Delegates Arriving in Chicago for World Air Parley

Representatives of over 50 countries to meet in effort to work out pattern for cooperation in development of international air transportation. Page 7

Criticize Route Data Sharply in North Atlantic Hearing

Statistical studies assailed as based on steamship experience and declared not applicable to air transport; expect arguments to end this week....Page 40

Warner Stresses New Business as Post-War Factor

CAB vice-chairman forecasts wide gains in international as well as domestic travel as result of greatly expanded needs for service........Page 9

C-W Displays Commercial Version of the Commando

Craft, put in operation by Army before experimental work was completed, is said to embody experience of ATS and NATS......Page 12

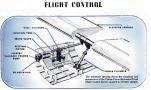
Cheaper, Lighter Chutes for Post-War Private Flyer Marked improvements in quality and performance and sharp reductions in price expected as result of

Air Service to Smaller Cities Topic at Aero Institute

Methods of cutting down time losses in landing operations and use of gliders in reaching communities now lacking communication discussed. .Page 44



Has √ICKERS POWER (Hydraulic) BOOST



In a page 12 presented before the National Accountain Meeting of the SAE, E. G. Ridy Project Engineer of the Glow L. Meetin Go., extensement the secondal chaese-criticales of a power boost control system on: "(1) preportional field, [2] feedback and disc control stability, (15) introduction and smooth response own of the Day of the periods, (4) means of tension layer, (2) featonization of the production of the Proj. (2) featonization control by pRef the concretering from 60° F to the 100° F. (7) he equile of being operated by automotic plint, (b) mady serviced by interpretenced personnel, (9) he relatively treable-free and home a maximum of reliantment."

In his summary, Hr. Riby made the following subsected: "It can be concluded, therefore, that the Victors power boost custed units is capable of ostinfactarily fidfilling all the requirements and forth." This Victors equipment in now standard on the Mars amphate.

VICKERS Incorporated - 1464 OALMAN BLUE - BETREET 22, METHOLN ENGINEERS AND RUBLEGES OF OIL HYDRAULIC CONFINENT SINCE 1821

THE AVIATION NEWS

Washington Observer

CHICAGO CONFERENCE—The high signarcorne of the Intermilicual Aviotics Confessions opening in Chicago this weak has been sevetry. Astroshy, the needlessee is paid of the posecedirences which will failow. The Chicago was to the world recently place of post-war interestinated placestage and whole Bretten Wood interestinated and the Chicago and the preting of the Chicago and the Chicago and the respective to the sension and the results under properties to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the reference to the sension and the results under the results and the results under the results are the results and the results under the results are the tension of the results and the results are the results and the results are the tension of the results are the results

LITTLE FURLICIEST—There have been expresented of serpine in some official cardio- overlack of publicity given to the Chrony custreenes in the daily person in view of the apparatument. In not overlooked, of course, this the election compants, sectional retired in the Professional compants, sectional retired in the Professional compants, and the same time, what is said and does at Chrony popularly will have permissions affect on our post-way life in the view of inforced persons in the Capital.

ABBLINE ADVERTESING—The two-mostle-conversions between OBte of Deferrer Treespectation and the silmen over offers observed on the conversion of the silmen over offers observed on the conversion of CAR. ODT Director Johnson conversed in posicing the matties or in Fagus the opparently his objections is airline observeding occurrency rather than determined involved on the conversion of the

POZERGN SURPLUS DISPUSAL—Feedge Economic Admiratorists in humbelly building up on expensation to dispose of surplus amotivals abroad. Close destate from the opposite and to be the about of a central surveinor and the probability that not until the wor to rem at 10 keV to have one Artelofs, hangest

ABECRAFT WAR PRODUCTION COUNCIL.

—The threatened densite of the National Airgraft War Pradestion Council has been partpaned, many mounteen believing it would be a
serious multioble to close the office, despite the
fact that six certail production is well in best and
continues to meet Germando di the armed serment Germando di the armed ser-

to equal and perhaps best the September production of 7,559 sirplines

CIVIL PILOT TRAINING—Definite plenning for recognition of very laist training under CAI in ever under way. Beautopase of CPTP is retermed to the properties of the development of the properties of the properti



B-39's top-reor bass-20 terret.

ANNOLD REVORT ON THE WAY—AAF public relations and matelliques eithers have been selected on General Accolder across report to the Besteriery of War which to being needed by the arbsistic stone last year the request was fasted by the Arbsistic stone last year the request was fasted by the Arbsistic stone last year the request was an infantity's restricted and connected years on infantity's restricted and. There is some speculation that electrical and rathe optimizable

RAILEOAD'S STRATEOY—Any spen campaigs by the railmods to get into air transportetion in still considered unlikely to observers as Capitol Bill where the impression is being given by rail interest that they want only the

AVIATION NEWS

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CONTENTS

Devoid Aprob over 1

1307-65 Natural Press Sedding. Dattacks and Excepts Office

Accest No Con

Washington Observer

"right" to ascrate sirkers. They are expected in continue efforts to influence other creams... indirectly-such as state efficiely and resulter coronações secicios fendes rontes. The relitrado are most interested at this time, havever, in shetractionist tection to provent as much axia-

dissolved some Unsted has . Tom Book has resigned as charges and the

board of the storny Civil Air Potrol League som, poundly faster and with a longer range thin the Douglis A-35 . . . Bender Aviation *Beneris that Ford may other the personal won't talk Before the war, Henry Ford and be expected to make an arplane some day small encored to make off and land in the conner's b British Embasov spakesmen say England bas

no research or production program under way Bureau of Accommiscs' Adversal Barnery has Engineering Forum, provincely publicated, Discount major sarians urge that a research study be made for the undustry on relationship operating standards. One proposal would send Douglas has two sets of specifications for bard-proof wapdatastis for the DC-3, requested for overview or result to and not they even about tation system. It is notable that both the average vice-president of the United States and Harry Trustan, the Democratic number for the same office are dead set against "integration."

from a 15-cound hind up to 200 mph, and the other a four-pounder up to 500 mph Ether would add 45 seasons to an autility. Arrest industry through the Coumber a early as last June offered Secretary Bull sta cooperation in automation its recommendations conference but the cells reply was a note of thinks from an aminted CAA has propered a susual set of standards, by State Department order, but these are not enturely acceptable to A instatles contract between KLM Boyel in England for relification "This is the first indecim requested by another company. Menance

tough, to be given free to airline passengers as they land at major cities. Each Arrises will have its swo edition for each city, propped by Caldernia Institute of Technology admitted war analyty prometed firsts and work with half-page farwipaper ods far workers in its war resist incitry. . Cal Toch is profited with home research on the recket project. Frisk of healthing the Rolls-Reyne Griffon and was interested in the project but thus far no contracts have been argued and the AAR at respected to nee no need for the present of

ident and vice prendent, are on the Menisce-

Poseclada's new smitters carpo plane, the C-67 Parket



AVIATION NEWS . October 20, 1946



laminated phenolic PLASTICS STANDARD sheets, rods, tubes READILY FABRICATED in your own shop . . . or

C-D con supply ports to order.

Tengle Strongth	9,500 F5
Flewed Streeth	29,000 85
Compressive Strangth	38,000 85
Values are entired for Greeke	C. Cooks 30 4 size on

PRECTO is an electrical insulating meteoral . Dislocatic Constant, at 1000 KD Balactic Lett Factor, et 1900 KC

Server Senter of 1990 NC

SQUESC! OWIGES New York - Chemical - Champs - Spottesburg, 5 G Yes Cont So , Marroof, Std. See Francis - Sen Differ teatedori (Kim

ulinental - Diamond FIBRE COMPANY d 1895 . Manufacturers of Inningted Floatics since 2971—NEWARE 4 - DELAWAL

ATTATION NEWS . October 30, 1944

gates supposedly will have apperthe commonlymanic narryta officer by the State Department Norme Sessions Ones to Press -

credition, with an many sessions on Server of it fourted, the conference will have to reconcile the ope-

Delegates Arriving in Chicago For World Air Parley This Week

Representatives of ower 50 countries to meet in effort to work out passern for cooperation in development of international air transportation.

Delegates of paper than 50 com- flicting views of delegates of virtries are susembling in Chango Adolf A. Berle, Jr., chairman of deliver a welcoming address at a clauser meeting Wednesday offerroom in the Stowers Hatel site of + Vital to World Air Trade-This

ton of the peace settlement. The un equatoble haus for autines of

After several days of prelimi-

and successed confidence the concompounde solutions marriage aveninted by of innernational sur-Canada haz offered a diafa

tually all the nur-created natices. h China and Russin-China and multilateral granting of commun-Egypt, slong with Iseland which

will be represented by Minuter might Sy, how often, and what New Zealand and Australia pro- swint is not recommed by the pose that the conference agree to United States Britain, which alsowise withholds recognition, was



Two "ducks," looked toorthey to force a cutersorm, transport a Public fighter plane from this to thorn. This method of unloading makes it was mble to shap fully exempled planer for delivery to execute ready to the

AVIATION NEWS . October 30, 1944

which probably would berin with on international air policy. "Provencesi" world ar rester,

New Air Convention-One of the work on a new International Air Parts (1812) and Haven (1804) forth to solve the muddled situs-

Magan and Germany-Moreover, political consideration presented the opening of many arr rentes in lines for a long time out of feat of b Hald Equal Argonals of Stock-Participation antines would held equal amounts of stock Stock-

New Hellest in Action man last week that its new Navy fighter, the F6F-5, a faster, improved Melicot is in action in both AVIATION CALENDAR sirfices using that field. Represen-

marked between Suptem O committee to consult with and ad-No. 1445 Ap. Towner Kutterfall Day, 41-345 Michael Ale Corp. Mering. b Desilicate Services... The corners. Chryge, 55-Spool Annual Marting, Aviation Beingbourn and Mannianances Associates, Julius Brooks, Levis, Marting, Arieston Road, Annual Trades Studies, Language Deliver, Briefley, Annual Concentive Self-cores Boist eliminate as far as notifile, such

situations as new exist at Washsee percentile Alexal, Traffe Harager Barting, Montreal See, Horitaga Lambora berken, Instant-of Administrati Recens, Nutherpo-las, Life-Life Jerusel Herbey and regi-noming chalar BerksCallife Mari Deunrelated bedses and tickets are pobl at two effices not responsible to sirings, at New York whose 18-Pek 1-Cha Annual Medica Despris there is displication of manage- Bear Admiral DeWitt Banuser.

place has an impound engine ish which gives it greater speed the 400 mgh -plus class The EST-5 is also reported to have Joint Port Service

Plan Takes Shape

Corporation owned by airlines

erations at surficide, under pro-

the sir mail field post office, PCA conserve convenientation making offices symbols service with tarket offices nay telephones council transportation; barrage handling;

nept of sens facilities, at Chicaro where United Air Lines handles

• Contracts - In some cases, the corperation would enter into a ment of United, but the string state, with definite proposals put duct of the office to the service lines at a particular field would its own equipment by the nighter

> own necessary equipment and penses Funds necessary for purchanne engineers would be burprofit body, may belances from nion be adouted, as Washington,

tatives of those lines would form a Navy Order to Ryan

Rvon Agrenautical Co. an nounced last week personnies of orders exceeding \$55,000 fee for a a exemple employeement, undicaling tactical importance of the tions, its value to the fleet air arm was described in a "stay on the

WPB Reconversion Machinery Ready to Start Work on V-E Day

Reorganized board prepared to launch program as soon as Alfred military forces have eliminated Gennary from war. Placeure for recognization has are as its operations expand with

come to a dead standatall in Wash - removal of controls

meter. All has been done that can In peneral, the stackingry for with the creation of the Office of farshed, and WPB is ready to h Storts With Vall Down of the year in Eurone ends this full or during start monediately. The plans for dawn, however, and the Alice the nester on the Western front

arrear in WPB over the steady

supposed to 260. The postdiern of

how to held WPS employees has quitkly worked its way up to

Germany total, WPB will need to

be unfautely more deficult to re-

Another reason why WPB as ex-

Milo Burcham Killed WER will account its fond withou inten" plus for resumption of realize that it is strictly a temh Message May Be Rosegard and Beconversion Act of 1944 will. fame for his speide-down flights, planzers were satisfied with the the White House, President Roose, Regardies of whether the new Congress is Breedlines or Demothe late Eddie Allen on the utilial things for amendments to ris the. of Right early this year he had

wholesale quantities, CMP will be standoned, and in reversi, redussituation that exists teday.

a test flight at Burbank, Calif. Barchage is credited with develocing and personally opplying work cooperating with the Mayo effects of high altitude on fower Stant Pfet-After a street relat

POXHOLES BRACE TRAINERS AGAINST STORM Diames "Sockeder" to burn the scheels of 150 Borone Karelet training

new Construction Bureus, likeways, above 30 mph were reported at the school. The school from explorawill find need for additional works of the 2160th AAF liene unit, communical by Col. C. E. Fleiverty. AVIATION NEWS . Deader 20, 1944

WEST COAST REPORT Asks Local C. of C's To Back Port Plans

Englises live repromibility of community.

Local Chamber of Corporation refection of localized trends and mamust continuous stigation on the who found much of importance in an address given in Kennes City He gave his views on Chamber of Commerce responsibility to avastion to the National Association of Conveneress) Occasionation

Chambers of Consistree should The supply of factual systemal Deploration of the possibility of parks though a showing of their The post-way states of the non-*Steenership of uniform state The move, syldently in speed administration represent whose purperty aircraft fly,

For the consideration of such problems. Eastberry cross the costtion of Chamber aviation consumtransportation community will even est excepted as a contributor to eccipation under a free enterurac-To West Coast observance New

an indication that one of the re-

FORGER PARTIES - HOWEVER,

b Florer Wasg-Northrop Aircraft holders. The financial statement

Canvair Resbuffe-Rengantion annelson of C N Percile, viceprovident in charge of menuticexcept, and R. R. Parkhand, onmade assistants to the president. reporting directly to Harry Wood-

New Aviation Courses Of 455 Agentsan colleges and provenities police, 387 are planmine post-war available equipes, a survey made by Bendes Avution Corp., has disclosed, Bendix Prencan be made awailable to them for burn's speech was heaviering as Surples Daposel law

No Final Agreements At Montreal Talks

nelse, hend of the Canadian delegation and chiarmon of the conetci. Mentreal, hat week The delegates of Great Butter.

Catada, Australia, New Zealand, post-war saternational air reases within the Brytish Commonwhite secomplishment in the larger Seld of complete international ag-Whatever may be place within the framework a ternatural conference on civil existing. For example a Connohorve these rights under an in-

he were different b Congression Main Objective-Str. Secretary of State or the British that Great Britage had only one absective in unformed the Mentreal

be over by Friday. As they were

serven technical advisors. The and New Zealand each have four members, South Africa has five, and Seathern Rhodems has one

DPC, FEA Offer 800

Transport Planes - Eifel to meet CAA combration requirements.

planes or layer converted bombcale by Defense Plunt Corn and Almost all must be madried to Largest number available are Certin ATas small two-place. CAA. Some 255 are evaluable

300 hz engines, ore of law-one. weight of approximately 5,600 A Course AT-17's Offered - One IT's are lated. Thus is easily

Lycomen 205 kp engines elso luted. Palet's compartment is of used by Army for transmosal 16's, summer to the Bladson, not yet and he has Wright 1000 hrs. etc.



HEATING THE HEATER A year? manually-corrected heater heat up the buy heater which to Mary than 100 small transport turn upring the percent recesses.

They are powered with Lycoming proved. These AT-38's one lawstricts furelage size. Puschage it-Douglas RR-18's-There are also 28 of the older Douriss RO-18 bombers, also of mid-wine con-

paired bumber and for small cargo- ... James P. Murray, Booing vicecertification without modification

pending on equipment metalled Sixty-seven Vers Vestors RB-34 (B-37) ships are lasted. Those two Prest & Whetney 2,000 hip en-

II.S. Collaboration On Engines Urged

Technical consequiate on power plant drains and nurchast pro-

resed at Washington mesung of at a meeting in Washington lest engine companies with policy-determining military officials

were and too officials descended weblens concerning technical aslead on advertising which would

reavesentatives of both industry The arrests fastured governor

OF COTTON SERVICE DOSCUE PLANTS ong the defund, procusement and development of autraft commer. thetermentation of ecceptorions' bements wherever possible. Aeronautical Chamber expressed

C-W Displays Mock-up of CW-20E, Commercial Version of Commando Plan-Tree Dear - Entry to

Craft, put in operation by Army before experimental work was considered, is said to embody experience and thorough "shakedown rest" of ATS and NATS sirlings By WHITIAM G. KIN

Commercial version of the Cur- fugging nordes incorporated to inwas shown to the press in mock-to of the miots in units for ease of

persmental model was completed

C-45 (Navy RSC) Surper the ably ever to hardle to the sar The the overesal model was desumed. be nessered with two Wright Caclone 15-cylender (C13-Rill etc. visibility and improved destroys speed promiters. Equipped with New Nese-The new nose of the will have a normal takeoff gross. society of 45 883 powerfs, a decum market least of 15 900 marries and a



This surgeons parachate nacking table reages from a compact star a Datch door that decisies as a serving pastry included see the usual thormos units, a Dutch oven, theater and are condited with feesteel tabes from a perocked styler bu a Nouth Air Perce mobile and belty bettle warmer. A separate real flown one China

A men's room and a ladler powusual profiler, with a partition erc compartment. Opposite the

hebts. The century morel alw tion of Incundescent light and the ventilities system, which comblack light" of controllable litten. sletcly changes the cabin air once

Control to improved through shoorents. Both are casely acces-

FAided Molta Defense-Deserves sion of Curban-Wright. The prosaving Malta in one of the emeral That's of the shops were flown the conquest of Burron made it of the occitor aude Overhead racks the occar, operating in Burma and Carban-Wright engineers are planes in that operation Additions

AVIATION NEWS . October 33, 1944











Air Standards Group To Leave for Britain Technicisms seek to affect unit cation of alegrafe pure peretiers and materials.

A group of technicisms retrely for Great British on a missee. Primary objective is to being about uniformity of standards for

uh industrial surceoft stundard b World Stanfords Program -Ment an international standards to the marnfacturing industries

ternitional sirling operations British technical mission in May-

D. G. Moditt, RAF, of the British He expressed the helief that the jo make on-the-ground company-



AMERICANI TECHNICAL MISSION TO BRITAIN.

group of technicusts representing the National Aircraft Standards P. Hegras, Rusy Agronoutedl, James D. Redding, Society of Assess-Douglas McChit, SAF, System Air Convenience, and L. D. Bunhare, Lock-

peogress toward a goal of unifer- schieved, this will enable the mme and of vital importance to mile The mission will spend from four Study British Plan-The United

The Unried States westers includes 7 P. Reurne, chairman of Acrolane Davising Ragine W. Nermores; J. D. Bolding, manager, neconsultinal department, Society Bonham, materials and processes denartment manager, Lockhood url), standards engager. Wright



as a tank-carrier for airborne troops. The givier also can carry troops, Army-Navy Agronystical Board.

AVIATION NEWS . October 30, 1944

U. S. May Lift Ban On Coast Flying Resistance on righter solution

is area expected to be removed by Inn. I as result of San Peapon West Coast civilian foreg in

opplerence of military and myd availies rescognitatives at Sex. By mid-Depember, action may be taken by the Western Delesse Congraph, boolquarters San Franify regulations for the entire some.

Mar Gen Charles H Bonesteel commercian suseral, Western Dutense Coverand, believes that by read-December existing mulilary District Telephone Believed Beached -While no formal declaration of Hook, Santa Marros and Paul Mer-

departmental traffic control board, mg "hopeful" and Hook reported

No Conflict With Military Flying - We assured General Bonesteel

with military represents." Heak As of today, private firms is perpurposes, within the Western Deairports, and civilian screraft outuppe paly for repairs at overhaul Wright Field Tests shoes within the same, when they current conveniently obtain these resert a relaxation from an alesalute han an private fivrar with-Revamp CAA to Meet

Post-War Expansion vices filter the war, day to the and its mentable increase in the nounced by Administrator T. P.

ment selver and assistance, and Probiar Service - Educational

Service, with Bruce Uthus as fitsector. This rectarion could relat training, mospower training, ale eurn estantals and training represent director, C. B Donaldson. services including federal sirways. tion center at Houston, Texas, a regional councilor who will per-

RAS to Hear Wright T. P. Wright, Civil Appropriate

Replica of Robot ATSC construct "burn bomb" after study of pages which fell in robot homb built up by the Air

Wright Field, after study of parts from bombs which fell in England. a organist to develop adequate de-\$27 Feet Long-The robot measall and has a 17-foot wangages. It

which uses musting A series of a mant cutboard melor Fuscisms ted, and automatic central equipchrosed in Wright Field emriagerour shows, after metals were ana)varel to determine allows. Jeck and Heirz company is credited Farts Breeadeced - Component ATSC with a quantity of robots for for common to building the en-

ing rockets which launch the sites being constructed, and some

of the robots will be fired with warheads, while special electrical Reyal Ascensus Somety of Great Britain in London next May on a lygets from launching to landing

PRIVATE FLYING

New Controllable Pitch Propeller For Lightplanes in Production

75 hp. 19-pound unit, manufactured by Diamolov Tool Co., expected to be available for personal aircraft as soon as output can be stepped up to exceed military needs.

Dumalay Tool Co is in productoon on Annealey controllable ratch. Street, New York, that he may be

he slepped up to quota level un--sportsumstely the same weight expects, when maximum produc-

FCivilian Orders-G Augestey. owner and manners of Dangaley, rods, and consequent change to low

tald Astation News in an inter- with of the propeller biodes, to

your at his plant, 304 West 54th civilina grifers very soon-in any case not much later than victory

The Assertan Controllable Pitch Propeller: Depart left controlled on plane, upper center, blade assembly, upper right, hab and actuator,

effected by the movement in a forward direction of the thrust plate helical slots. This causes a forward

F Counterweights Used-Movement and their retention there, is effectreduce that they exert a positive

surred to effect the putch chance

Dother Projects In addition to the

Distroloy Tool Co. which has metal products for many years, owns cetright its New York plant

in the remon of New York, retain-Freness-Mr. Annestry believes error that about \$ 000 lubitslans Standard on the "Route of the Flagships"

In 1939, American Arrives adopted the Collins 17F Previous experience on a lasser scale had indicated the windom of this step. Succeeding experience has

Compared with previous enginment, the 17F's dozbled the power autput (to 100 watte) with slode quickly available operating frequencies instead of three. Dully through the years, these rugged, usiquely efficient airborne 178's and powerful Collina ground transmitters have given treatworthy assessed to a superOperating Department in maintaining the great Asser-After the war, Callins will again specialise in the development and production of advanced types of Its dozions will been the fruit of interse research and specting the hard demonds of military service all over

the world. Collins Radio Company, Coder Rayids. In-*The Colles Assertuce is a reportuning mechanics which mated frequencies. U. E. Patrets issued and pending.



produced for each airplane, as buenter in our milest, as ent facilities, when tooking is completed for the war order, will promake this source of efficiency availabout of the time it might other-

nle advestment. The normal settime is 16 deer, in, both, and 11 deer in low. The model No. 75 engle

New Johnson Rocket Ready for Production Craft prepared for "fall delivery" so be offered with 185 kg, or 140 hp, engines optional

Engineer of 185 or 140 hp. will at Fort Worth, Texas by Johnson Algorafts, Inc., the exclusive distributer, Bocket Agreeaft Sales Ca. of Lubbook, Texas, reports First Distributor claims materials new | Caradian Plone - A five-place are available for production of issuited number of some and twoengine models for "full detreery " Three-place stanta-engine Madal 148, expected to make top speed of

atting acceptant when it could 165 is not quoted Two-empire ready) with 200 hp. Continentals or Lyconians, is expected to make we speed of 215 right, carry my. results of Erroupe fight transact Edward prices, are \$4.500 Av-Model 140, \$500 more for the buc-Part's Airmely Root St. Leafe, Wilorr on mas, and \$12,000 for the P Tricycle Landing Gear-Hardoare hear when ready for sole after

ment includes hydrouske retractable triayole guar, Koppers menafter 4% hours, although mustmars CAA regarded for Ercourse palo to five hears' flight two-way radio landled lights, etc. tion of palatavara requirement may read Rocket protetype with 125 be forthcoming as result of these survey leading to nest-way develto engine reported first flown Nov. 22, 1942, now having logged NATA Thinking—"It is certainly 320 hours test flight, except poststype had conventional landing



Newest shelph of B. S. Jahanson's single-engine Rocket: One of two ben't designs he plans for personal and burness use. Model shours will here either 185 hp. or 140 hp. engine, he reports. First plane being built as devapadrator will have 145 kp. Johnsen's plent or at Pt. Worth, while

tion committee be formed in both converts assessed with Alexan-Beenes of Congress and that the non-scheduled port of the aviation Section Calver Aggrega, Bennett Ameraft, and Globe Arrendt Corp. here understood by Concress." The before ferming his own company in 1942 Structural features of Coul Aviation report, which makes it clear, NATA save, that the fivplace reclude: welded steel tubing invocable and non-scheduled avintion has no place in Congress fabric, and all-wood, monosper, chiebles other then to be eccenarmer and pleased wings, with merelly regulated and kept freen interfering with the scheduled part More Complicated Comes now

BRIFFING

Scheduled Aviation By ALEXANDER MISURELY

11, high school students at

tion Tender Association Dispatch. that a sewarate and distinct axias stallation would be.

Dr. Sterovnia, University of Illibe recogned to study avoiding medi-No. Briess Owner and Novewhen most awatana people are twin-engine pertecul plane is being readed for production by a Canadian reassincturer. It is larger are pushing for their ringlification. then the fear-place type which mast American monefacturers think eventually will be the best

A Beart Landing String-Aircraft Owners and Pilote' Association is searting with the American Hetel Association to select record hotels thousehout the country where landing strips for accommodation of visiting firees may be installed, A list of over 260 such proposed landing sees sites already has been forwarded to CAA and CAB fee operate. AGPA points sut that the more inaccoultie the report by

F.O.B. Air Terminal

mond." The combishment of on

store grother helf ton And Corion spentrop over billions of



pers to offer a worth whole spring WEIGHT POWERS THE TORNAGE OF THE AIR



MATIONAL ABBLINES, INC.

- Por war marked in the warring and a second in the second in

ator, every pound of unaccessary weight saved means increased carning capacity.

"National Airlines" maintenance and operations figures show

"We find BOOTS NUTS very fast to attach—they can be used over and over again and they outlast the plane."

BOOTS SELF-LOCKING NUTS

Seem Kinnet Her Congarities, General Offices, Herr Connec, Cons., Days, L.

January State Congression, General Offices, Herr Connec, Cons., Days, L.

January State Congression, General Congression, Cons., Days, L.

January State Congression, General Congression, Co

I glass, all most Boomannougher
 Workers associated, for rouge on every type of michaely esteeds.
 Pless was mandated for commenced along.

They I "mailed the plane"
 Typecred by every presument and the space.



239 Fig. Boll Maint Same BOOLD Artisal weight of over 250 Millione offlanding under and in electrift, comprehensantly printed for the successives at an early designers, regions, aprinting and

Monoser

Cheaper, Lighter, Tailored Chutes Seen for Post-War Private Flyer

Marked improvements in quality and performance and sharp reductions in price expected as result of synthetic textiles and preservation methods developed.

By ALEXANDER MeSURELY

A positional ret for the present and the control of the present cont

and almost that would remain in good certains in the park without part of the part of t



HILLERCOPTER FISHING TRIP:

Saming Rither, the pear-old wevenior of the fore momental counterwork

Saming Rither, the pear-old were discussing, aspecting a law for MaBillercopter for the purposer flow densiting, aspecting a law for MaBillercopter for the purposer of the sector, employe the plater on court Mathis green its associated impactors. When he has complete in tirred, he can
accuse certificity and Sp. Janes. The Rithercopter, when pair into many
production by Rithery Knurse on the West Count, may be as imporprise

Foreign State of the Part of Counter of the section of the production of

in the bulkiness of the chure pack. The combersome seat pack type ter breadferts of taxens. Yet no pliet, except passibly a test pilet use his carriebate. It is considered entirely practical to dauge a parethite which the concern jumps, at a considerably lower about 3350 for a 20-feet churte. Il us believed that a charte entirely sold with a good profit margin for ing a chuic reported periodically regers a many stem. This cost obste was mosture-greet of packed in a monitare-provi mack. *Stability Impressed - Issucovodesign ingentity. The hale or yest much remains to be done Varymay be the best answer. The more percus the class, the more stable the chute, but also the more ruged its descent. The aux-

a succey usade of cloth more porcurs the facility or edges, than it the center Another melliod of alto- control of the control of the state of the control of the troo the center section. Both of these metalods climate the center void, but propagated only the retoring the control of the center of the center of the center of the state of the center of the center of the center of the center of the state of the center of the property of the center of the center of the property of the center of the center of the property of the center of the center of the center of the property of the center of the center of the center of the property of the center of the center of the center of the property of the center of the center

Menture-proof motornal in main-

valety at the same time utilizand

One greenlar recently patented

AVIATION NEWS . Details: 20 180

b Bulkmens of harmon and mark Stability must be improved, prob-I Cost should be reduced from \$350 Persenter should be built for

Gve-hamp guarantee, rather than Although such radical deparrequire a testing program to estabion Inhoratories are convinced Assured that comfortable lowcost strates are developed. It is probable that the majority of per-

sonal plane owners would keep there in their planes just as the merior best owner leeps a few hife tyring persentates in their places sumption that it was a very small.

Glider Conversion Data Issued by CAB

screened busically from lists. Civil Aerossstas Administra-

one gliders constructed hasholty urn, including firewall, fuel sysin areas on the Aeronan (TG-5) and Taylorcraft (TG-1) will have an simpliere, or sudditional flight 551) with the fallower everytions: faselane structure forward

truss between bulkhead 1U-1L and



KEY MEN AT GEORGIA AVIATION CLINIC

Leaders in three important national courses erouse are shown above as

SUCA seas used on the TVLS in a vertical tail and wise upspires Kusfinas TG-4A and Sweitzer The O-SSE, incidentally, is simu-Both are approved only with a Continental engine CAA says, offered almost upmediately. There are to cellings on these training

Stress Small Ports certificate 720) aircraft are similar

to the O-SIB, and CAA says 'VI several manor structural differ-Approximately 160 persons from Place-In the case of the Piper all masor siructural component parts of the TG-5 sider can be tion executive director, and Eu-Wilson called for modest berm-

mun need was for small arrear's

Phillips

with ever-increasing production of combat aviation gasoline, and recently expanded research facilities ___ confidently promises great postwar flying fuels



PETROLEUM COMPANY, BARTLESVILLE, OKLAHOM

Canadian Air Clubs Bare Post-War Plans

Several such new fields as part of the cich members; and of expansion programs. Hers for post-wer civibine specialistics by Casellian fyring ciche, proposal private from commenced at which form operations. Natural programs of by membership of the proposal production of the production of the programs in as yet on which continues the first programs in an appropriate program of the programs of the

of patterns to be present of Berting and the Control of Berting of of B

Tabed in 1937 to provide a sweless



LOENING EXPLAINS DIFFERENCE:
Grown Lemma, roam-terruft augent, required the object drawing to against to menhalm of the Accord of Walshagdon, the difference he tower belonger and sensors, University and assurance and fresh graving roam channels the analysis with the product and produce and fresh graving order, extended to the product product of the gravity. Lower deshifts the control of the accord, Lower deshifts the control of the accord, the according to the



 Kingston, Osiasis, Clab has been granted paramation by the Bepartness of Transport to receive e-bay.
 O deltavilland Moths, and will be allowed use of Collan Bay witpert, since the former managial aliport has been used for wantine hous-

mg.
*Toronto Flying Club is looking for a new field around Toronto, baving sold most of its smells *Bamiltes Flying Club also is looking for a new field, may share a pearly RCAF field with the

Turner Discontinues Detroit-Memphis Line

After 48 days of magnetismal dying, Risson Frame Accessed and Sping, Risson Framework, Parket and Mentally, Barvage cented except processed by Market and Control of the Accessed and the Control of Market Accessed and Market Accessed and

Bewignest used on the flight the consisted of Sitzons Rebests, with 19 Timer's personal plane, a Woo, or used as a extra plane when needed. One flight was operated each way, each day, with no set schedtor, with intermediate stage at Toled, Oiks, T. Wayne, Ardenzee, Influsapolis, Treve Harle and Manuscript, Let, To-thic Kie.

Seattle Air Parks

Initial plans for early postwar construction of at least three shrinking within the Settle, West, city limits for private planes was decisied at a recent meeting as Settle, West, of Syrge ordinoses and the Austin Committee of the Section Chamber of Committee. The Chamber's certificate in working with Gay, Author 12 Langilly State, for cutabilities of a statement of seal of section of a statement network of seal

AVIATION NEWS . October 30, 1946

MORE PLANE FOR YOUR MONEY





BY "MORE PLANE" we don't necessarily mean
a bigger or busine place for less moses.
We mean four performance, greaser stability
and houger cruising range—more genuine owner
sandarmas.

craft owner at year local airfield—bell tell you how it can outly and autritish any planemain clean. And be'll give you access of other reasons that will substantiate our materious—livelercraft—

o more for your money.

The new Tentocomi

The new Topicoccolo will be well worthy of the reposition enablished by earlier models. Valuable experience gained through the building and designing as favor and Newy light planes in large values, and the availability of newly developed materials will contribute greatly as the prefaraance of rown passwar Topicoccolo.

Our aim is to deliver to a percetime America, in the feture as in the post-more fiving for over money.



TATLORCRAFT AVIATION CORPORATION - ALLIANCE, ORIO

THE AIR WAR

Land-Based Air Power on Levte Will Pave Way for New Goal

Island will have to be built up as urone air have for lone rance fighters and hombers as tirrlade to escribe up to Lucon

anena his emilitary leasant alough Gunes in January, 1963, our landair team under Generals Macvices weel and, tackled one at least

they segred that strong point in a last. (The Pifth was presumed in motion of days Feenture bearsly or Wewels by afranking its power b Island-harrier Para Off-Like-

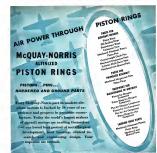
Marshalls, output off mortbombed Malia, Joingt, etc., the Marteam under Admirals Nimits. Hal- motest of Yap, and so the contern sex. Secretary, Mitscher, and Gen- in sol... And now Larte instead of erals Hale and Twinger, have Mendanan Next jump is approach's Overloaving Loc by means of humbers advance striking units of

fol opening testing of any papers there. 1941 After the become effect in the base at Artape in a long farward. Philippenes, Java, Australia and 50 ern Air Forces, communicated by wise in the South and Control Pa- Light General Kenney | Digritor

costern Berney, Larvest of relig-

Cutting Jap Supply Line-Movone can be Langer with its with never of Manile, front naval, our and mosa (or both), the meeths of and mostherable objections. More only to close the gap is the Pero-Starts, Banckek, Penane, and in the Celeber, Bernio, Java, Scib Oil for Nippon's Planes-Roughby two-shards of Japanese oil ago-

on More than there-fourths of



PRECISION WORKERS IN IRON, STEEL, ALUMINUM, BRONZE, MAGNESIUM



PERSONNEL



South Posts to the president Hn headquarters. will be in the executive officer or

came system operations monaged Dave W. Cheele has been assend in durinal manager of Atlanta for Mingerpolit - Hoperwell Resident charge of the Milwarker branch of the recentary W. S. Robards will Brig. Gee, Arthur W. Vanaman,

fermer secretary of the Air Stat. later sommunding general of the Oblahama City Air Service Comof Merit. General Vanaman was dutry while he was communiting general, material center, Waght Piciel, Objects, in 1942 sampled sides manager, Paulie dayl-



Col. W. Ficks Marshall, furror oper- Brig. Gen. Borjamin W. Chidlew ripping bendeutriers specimed celled success. When he first all-

cranter to Brat. Gen. Garden P. Savville in the Twelfth Technical Air Al Welle has been named employthe Eastern dayson and later be ment number for Swant Arrows,



Campacos Earl Sealer has ager for Bressell as Bouston He has

Copt. Oliver J. Studeman has been named operations manager of the chard mant in the western dromen Tition, who has reported to New York for a new analgoment

Photo B. Buidest has resurred an and has been replaced by Wallace E. Wilsen, who has been annetuck chief profest engager Rabinst used Enters in 1962 when the on Indiameters. Without some to Eastern in 1942 from Ottomobile in

personnel manager for United Air Learn' New York office to succeed. will have headquarters in Carl Marray. He will have effices of the Air Lanes Terronal Building gaged wasce 1942 in helicopter de-

and La Guardia Field. He has been newled at Denver, Marray has been

H. Cartie Bardick, formarly field



Norwell, Conn., manufacturer

tunes of 60km Mead who is now

B. C. Volle, former executive of the

awaton department He was under Col. Leslie B. Cooper, 53, helicopter Philip II. Cooper, was lefted to a plane crash Oct 18 in taking all at New Course, Del Lond, James A. was killed in the same crash. team Wright Field, but returns close copiect with the sylution leb-

oratory where he had been en-

AVIATION NEWS . October 30, 1944



2,000 beers of firms as on automore Daris Miller senged her new du-

tacs as apecasi power representative years She has

Southern Melvin M Mason, contracts admentracis for the divesion Moscon sound Valtas Aircraft, Inc., in 1909 of the Staton Dayson in Worte. Mich., before correng to Nucleyalle.

replacing Raigh Lesson, who has is also president of National Security Life Restronce Co and a

punion progress. Fred & Smiles forms only division in Los Anraion. Bun L. Braier has been appearted manager of the San Francisco distribution unit. Des. L. Kesselving is garages of the dis-

William J. Meary, Somerly a newsmore correspondent in Pittsburgh. Washington for United Acr Lines Moyer will be located in the Shore-

Acresys Agency as legal advaser for the twelve TACA agency companies. Assessky Madel 35 and Model 355 South America Prior to Johnson AAF L-4J and L-5J



AWARDED DUTCH MEDAL: sworded the Netherlands Fiveno following the initial Jop attocks on Henral and the Philippines

TACA, Franco was with Pen Amerlean-Grace Airways, Inc., as legal provident Gastore Valua The New York offices of YACA Arways Agen-

manager for Braud Aliways in San serve years. While in the Army he served tours of daty at National

Clinton T. Dunnelly, Sarmerly chard

of the engine and propeller own, Army Air Forces, Eastern Procusenelly will act as himon representative far the company on all Army partments At the present time

TELLING THE WORLD

· Peer system advertising our

Western Air Lines' composign set swhee traffic by detailing possibili-· According to word from London, American advertisers are cubling trained expect advertising. Copies

may be obtained from Henry B . Brwell-Ermett Co. advertising agency with accompanies in how York, has been appended to handle the account of Northwest Airlines, studies Dec. 1 George S Fawler has Been named account accounts. . Vern M. Beneft has pured the staff of the Edward L. Bernary er-. Delta Air Lines has issued an in-

so aviation's peace-time needs Mannespolis-Honeywell Regulator Company, 2947 Foorth Ave. S., Minneapolis S., Minneson. . Kelth Sixtim, farmerly on the Brokhaus, formerly with the Chi-



Geared also FOR THE JOB TO COME

Boneyvell engineering has proved keelf through wording colution developments that border on the miraculous . . . But the multitude of new problems that peace brings cannot be met only by man accomplishments. At the vast Honovwell test hanger and arrespond laboratory, resound resided was are prepared for the lob to come - prepared through meabable experience existed in developing the Electronic Associlor, the Dectronic Turbo Supercharger Control System and other important achievements. This some creative engineering will produce equally valuable contributions

Honeywell

AVIATION NEWS . Outster 20, 1946



For The Greatest Wings In The World... From One Of The World's Great Oil Refineries

Developed to meet the needs of military aircraft, D-X Aviation OIL is the result of more than 25 years of experience in manufacturing top quality lubricants. This superior lubricating oil is now available. subject to military priorities. Inquiries are invited.

MID-CONTINENT PETROLEUM CORPORATION

AVIATION NEWS . October 49 1964

PRODUCTION

Details of Fairchild Packet New AAF Cargo Plane, Disclosed

C-82 estimated by company engineers to have canacies for 76 day passengers or 30 deepers; production to be support up

lifted enough to disclose additional details of this leng-range creft child's plants at Hagerstown, Md. The recent first flight of the Call marked Estrebald's reserv-Sept 12). Concident with the completion of the plane's second series of fight toru came word b Short Tokeoff. In neighbor to detwo Pratt & Wattney 18 relayler M-1986-32 epithes, with a takeof borsepower of 2,100 each.

call down. Landane year is of the tropole type. Wine man is 100 Though its immediate applica-

Donney Airliner-As a lunury possenger authors, the Packet is

express and pamenger operations,

pareds are attached to it. Buth the ribs of sided sheet. The outer neath the flat sirled covering skip.

ment on each outer panel. The two almotor. The harmontal stabili-Fusciago is of memoraque con-

FTwin Tall Booms-Two plants reses aviceons, fabric covered, and

Military restrictions surrounding chains a livery perspector and obformed lengtadical strangers Reunted on fabricated alclad frames, Seven longitudinal busine Accurate per-ten mile operain the main cargo area beneath the h Strachtro-Dundage of the C-62 Friercle Landing Gear-Landing

of the two tail bears. It resures the more section forward of the warn depth a few feet behind the cargo sonce. Total vertical travel of the main wheels is \$16 feet



AVIATION NEWS . October 16, 1944



... for tough manufacturing jobs to Solar any problems involving the exempering and pendur.

Solar elegated the revises for ambase phase manifold made drop becomer ... Source for its life in the engage years...and grew to munney and leadership during the

decade of central business depression before the var Leadenbig in building simules exhaus supers and other sendom which more actioned but man, with host and compage is the course set by Solar for coday and for the and engineering of such products about the proufing make them difficult to process and fabricate

Airphae and entitie resenfactores are invited to bring

tion of new postwar products of this nature. These are the kind of manufacturing jobs Solar will consister as seek because they are the tough jobs Solar knows here how to do Address "Management"



TEAR ATTERACT COMPANY SAN DIRECT 12 CALLE

long-range multary cargo plene which could also be adapted to other tectical purposes. A markup was completed early in 1942 ugn. Detailed engineering work

AAF to Procure Own Radio Equipment Job of development, gracusch

and maintenance of communications desires, pressumbr function of Signal Copp. is trum-

been ladged in the Suzzal Corns. tween AAF and Army Service Forces under which Sognal Corps. proparorogal fundament. ASP has FAAF Gets Bespessibility-Under

of Bets. Gen. H. M. McCleDand. The sir communications officer a directed to implement any directives of the special consultant to General Amoust, Dr E 1. Bowles, who is on leave so done of According to the regulation setting up expensation of the new program, the special oppositions

leest Gen William & Kradsen, Sent to England-la connection with the award, it was disclosed that Cel Keep was sent to Karreset of the set entire devised by Air Commodore Frank Whittle as our are as 1941. By 1943 he re-General Electric, the engine was developed for an amplane which me General on special communicutiens plans and programs and Approach Caro

The sweet, given annually by

ences, will be made to Cotonel

Kern at Doyton on New 9 by



PORTABLE AIRCRAFT SERVICE STATION makes for observation of every improperties phase of excess exerction. These

Helldiver Output Pall production of Curtiss 282C

times for at least another 12 meeths and centation of hostalities planes the equivalent of 150 addi-

Honored for IP Work Col. Donald J. Keurn, of Wright the Thurman H. Bene Award for the most important achievement by an officer or explican of the Air

Supersonic Wind Tonnels Massischurers, confragald beffing problems to be es-

are discovering that bullistics research inhoratories can offer Marr wind turnels making speed, several times that of Bullistics experts are reaking higher at suppresspeeds.

Two Plants Pass

50,000 Engine Mark Chaussler Division of GM and Packard places pass production suck on Print & Whitney and Balls Board Merlin monor plants. More than 50,000 Prett & Whitner appealt engines were tarset out by the Chevrolet Meter Dovimonths to Sept. 38 as eight New tion peak came in November

1641 when 1502 were revisited. Packard Mater Car Co. also anseamond at had topped the \$6,000 It has been producing the Balla-American P-31 Murices and the Maxaulte Schler-bember, eno Packard marine engines used in P Chevrolet Makes Three Medals-

Chevrelet his been building three models of PhW engines Two models of 14-cylinder, 1,200 to are used on Liberator bomberover 2,000 hp and used in the

nests at Wright Field, Dennes.



Northcon P-61 Black Weber and The engines are mais produced Margo and Anderson, Ind ; De-

Duramold Move

wisses of Parrebild Engine and Aircluding technicisms and yearsch

Expansion - Recent contracts awarded Durarnold call for an ex-TEST SELESFALING TIRE: plant a DPC facility Darwoold process of mouding plastics and bform desk shate by AAF ever-

non shed had not perced through. Shift to Farm Tools the infated for when this picture, Danie-Warbelt Monoforterlan

Co, Inc., of Wighits, which has and exponers was taken. Afterwards only two small stite in the finited tire was good for 100 miles Company already is making some brdreake lifts and feed quely been sa combat aux for senrrinders, both on the preferred.

Navy Asks Speed-up Nasy is drawing for integrated or works from too Navy acres

that they are whally needed in the Curtin-Wright employees have been neithed production of SECC reather year and Eastern Air-

Boeing Curback Brench plants of Bornz Air-

classed because of cancellation of tract for Consolidated PBY Cetetime flying heats, John McGraw, assetted reperal reassery, dis-Meadenneters for Digramold Di-Bostne of Canada new is making furtress in sobtion to completing

the balance of the PBY contract remaining after the cutback at its A #Shor Box " Auto Engine?

and reared out terbine power ulant prebably replace samewill offer drastic weight --ductions, according to a short

bottom of them new power plant developments, the engirus suching organe giving a



It is designed to carry 2 or 3 specialists . . . to fly feet and name for . . . to larger and dealton the enemy in declarate or declarity

NORTHROP BLACK WIDOW P-61 NIGHT FIGHTER



The Black Widow more friely be called a It is his as a medium bomber . . . swift as a fast convait . . . built to blast out of the

especially as a state Salary, the Northean Black Widow is coursed to stalk down nishabildan enemy planes. And it racks enough 20 pdflineter carriers and 50 caldevelopment and mondoutles. This oblition

AVIATION NEWS . October 20, 1944



Facality made promposed of Jupited Security on the Positive and

and conveys more at dark So photos must be taken at math? Also,

Both our Army and Navy phonegroph as dead of night, from alto Both our Army and Newy phoneguises at dead or regio, 200th alti-tudes as high as 10,000 feet. Mage flash bombs no employed; and the camen used is the specially designed Facehold Spechessical Night Camers, popularly known as the "Out". The pictures rokes with these Night artial photography perfected to an present high must by design . . is another reason why our future are moving forward,



SHOE VAN TYCE BOULEVARE, JAMAICA I, N. Y. . New York Office: 473 TENTH AVENUE, NEW YORK 16. N. S. THE STORY OF ARRIAL PROTOGRAPHY IS THE STORY OF PAINCRIED CAMERAS AVIATION NEWS & October 30, 1944

FINANCIAL

AA Revamps Capital Structure

To Meet Post-War Expansion Needs

Stockholdres to you Dec. 6 on plan to increase authorized comston from 1,000,000 shares to 2,400,000; company expected to ratics \$0,000 preferred Jan. 15, 1945.

There are a number of reasons

of another sense of preferred which would have been difficult

seld with a lower dividend rate

While not as yet indicated, it is

likely that the new American pre-

to corners This presentes oneaderable attraction as not cally in the concretation for narrowation in

the common afforded, but a stable

sared. Moreover, while the rest-

dividend return is responsibly as

American Airlanes, in a face sion is made in reserving 163,855 NEWS, Sept. 18, 1844, American. has equipment costant approximately \$30 million, is clearly withthe largest common share capitalsstrices in the industry, second only Stockholders will be asked to

men steck men from 1,000,000 shares of \$10 per value to 2,600,990 occurses. Accordingly, the 574,546 exchanged for 1.149,696 pers corn-Market Interest-This stock sails the security Many investors are New Issues-A new preferred more inclined to purchase lowpriced shares and there is less re-648 - share then one of \$50 cave

though a lesser number of shares in American has further indicated retired Jan 15 8865 at time a to the common at \$70 per there or ferred shareholder to convert into the common With the common currently selling around \$60 a share, the equivalent value of around \$115 per preferred share

offect, the company is "former" \$142,656 Reserved-Thus, news. AVIATION NEWS . October 20, 1944

FUAL Flourning - United there's of \$100 per 455 percent

ferred. While spens dilution of the The American proposed emclove steck is in many respects of this operation. American will hyre 1,292,556 new common outbefore converses into common could be made). It is presumed offered to key personnel at favorable levels. This is nothing many gierded The derive of this reaninver steck, however, affords an added steening as pride of own-

crabic in the corporation is for-May Issue 200,000 - Should American decrets to insine all of the proposed 200,000 new preferred at share many of 200,000 shares of would be obtained. This also \$100 per value, pope of which is would represent the largest since to be presently issued, in to be suthermed In addition, 100,000 ed by any air carrier and woold shares of employee stock is also to deable the present peak of financ-Preferred stock financing among If it too soon to astirinate the

> financial Mach is dependent on equipment Mornover, the state of for new recurities Markey Aircraft Co. reports not

many may term n needer equity at meane of \$37,835 for the quarter ultimately destined to be reduced coffing quarter and \$11 A21 or two preferred is testimenty except cents each on 541,438 shares in the Sendanty. PCA called its convert- quarter ended Feb. 28, 2844.

TRANSPORT

North Atlantic Hearings Contrast World. Domestic Route Sessions Statistical studies criticized as based on steamship experience

By DANIEL S. WENTZ II

period to remaisure this week

Cremer is part of the record, but

Contract between an interna- operating expenses as a contract teems route proceeding and the fa- operator with the ATC miliar pattern of a forcestic case > Asks. Lane to Calvatta-TWA was plain as the North Advance proposes service between the U.S. and Calcutta, yoursey there with a to TWA as a competitive variation strations, post office receipts and orneng U. S. flag corners as desir-Atlantic rester be certificated to Fability Criticised—The compre-Deferred Freight System-C. L. Gatle, TWA executive assistant.

TWA holds a stock microst, by alyst, was criticized for the same would contract to deliver this With Constellation interest and presture. The Board's

offerent manufactor faces at 5 coats per mie, with an additional I curt Must of the circum applicants -from the U.S. to Messow, Cel-TWA setnesses, led by the fine's Nertheast's Case-Northeast Airownly returned by the Army, the Basias-Mescow reaces was pre-

tme owild, if cereflested, bertz. Collans, president of the line Jan 1. The carrier has more and the proposed international operalargest stockholdern Atlan to orarma) certification of Ecoort's missis within Europe. The Board.

be made permanent and that addi-DOTHER Witnesses-Traps-Occurre Air Lone seem to fellow TWA with on the langest flights, a place

fare as low as \$165. For carry, the ATC. NATS Public Operations Formalized

Promised Rossovit Ind week casi prosengers and cargo small way sance merchan of the CAR and superment do.

Warner Stresses New Business As Factor in Post-War Air Traffic

CAB vice-chairman forecasts wide gains in international as well as domestic travel as result of peratty extraoded needs for

newly-created air passenger busitraffic is strained by Edward P. lower. Domestically, if rail rates Acronautics Board, in his latest passenger traffic will go up 5 or

however, is unlikely to exceed half travel frees the U S to below the East may have a maximum prob-

Other condunance north coast, 62 to 50, to the For East may increase binmon and East, 40 to 60, Australia, 20 to 20. There is hope that demestic rates ren be redated by abean a third economy advances in a few years offen 6 cents or higher, our rates

marrly a passenger operation Availablity of air inverseration b"M domestic passenger rates are actually reduced to 3 cents per b 16-Cent Port-to-Pert Rate - Au trans-Atlantic rates in sircraft non-stop between a major Russia pean capital and U. S. posts. Pres-

war years will probably be a fived

Travel Market Here is the summery of the

market for international six enterpaled for the pest-war pears by Edward P Warner,

Are eargo probably will be moreously to 10 times pro-war

tion here is a cargo rate of 22 to milion ton-miles annually, or 3,000 tees a year in each direction few years may reach 16,000 tons to Northern Europe, 5,000 to the Mediterranean seen, 1,000 to Afa mes. L500 to Australia and 4,000

mated for air cargo under most



HOW UNITED'S DC-4'S WILL LOOK:

This retained photo of a C-54 shows how United Arrhers recently showed the press in New York a and DC-6's to look when they carry the eccupanty's earlier was carried down by the Air Transport Com-

British Plan Rio Tax Study Group New World Airport Of CAB to Meet

Field pear Blackpool to have con 4 000 words such wish addressed facilities for fying boson ing in Washington, Nov. 29, called One British also for a trans-

As designed by Blackpool Corp. Reed Pawell, of Harvard Law one N E.-S. W 5,000 yards, with W.-S. S. E. anch 4,000 yards. Paralsenarate rabustiary across for Name and the While such the cross the mean nurways, which

and Trees Capacil and from the Cost would run about \$154,660.-000. Construction would be in of the port to soon as possible.

stitutional law, to aid the Boond tumbien is being directed by

Hended By Mitchell-The reveof the Federal Reserve Bank of some with state toy officials foring a recent St. Louis meeting In addition, Ryan consulted with



Trans-Ocean Airport Proposed for England's West Caset: The above skytch shours Manhpool proposal for a trans-acres arrant on the West Coast of North Regised. Main reasons at top would be \$5000 words femo and each of other two 4,666 pands. They would be paralleled by taximonth he suffice the main reasons transfe. Dressma evapored in The PAA's 'Type 10' May Be Constitution

Details of the so-called "Tree 6" \$2-ton plane Pan American

occupit preretiens, as green in percentage earlights accorded to to will weigh 116,794 poends secusly accurated It will be debe equipped for \$8 slives passerners 22 berths and 9 statespoons

A. Com. 2 586 Ho. Engines - The Crassing at \$5,500 feet, the ship is desired to operate at 165 mah at equipped with pressureed cubess Other data disclosed include: Gross telecoff weight, 154,000

Gram impling weight, 189,640 *Eleven crew mombers. bound from Sharmon, Erre, to Bos-Advance extrastes place the cost

At a rema controvace Pen-American officials declined to ideninformation was regirized They though not complete as detail, does not give the company exclusive 11th Applyeracy - This month made the initial payment, will cast Develop disclosed that each o the fear engines powervar the DC-7, of which the bosic plane is under construction at Douglas Long Beach plant, will have even 16. Magrafacturer describes it so seven times larger than the DC-8. CAB Hears Argument

On K.C.-New Orleans Favorend to result in Shrestman Kansas Cary Bink to close large can in Minasspoi Basin

Carol Accommutate Board last week brand and anotagent by ap-Kanna City-Tulm-New Orleans case (Docket 651 et al.) which to close a large gap in the six transport pattern of the Maniscippe

Delta Air Corb., Mid-Continent Authors and National Arrises are various intermediate paints, but with the bucking of Boungarer Prenis A Law, Sc., who recommended in his report that Delta's AM 54 he extended by 458 new county reales to connect Shravepert

National Terned Deser-Apple New Orleans, but these were turned dearn by the Expresser. Commel for the siring saked the Board to 2nd that the New Or-National's application was the hours for a strong profest to the

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AVIATION NEWS . Onsher M. 1866



Air Service to Smaller Cities Topic at Aero Institute Talks

Methods of cutting down time losses in landing operations and use of gliders in reaching communities now lacking agrial communications discussed as Washinston muriso.

Air service to smaller extens so- feedpears, they must be bracked to onners presented before the Insti- compute with ground transport He sees two possible ways of seconding nirline landing time lasses in the latter halding must promise of virganization of Southwest Air. | Dealer Changes - Here advantages may come from shanges in will be possible if hardrag stoon continue to require the time they FGEdors-May Albert E Blomresist action chief of AAP's stater

Bay's paper, read by Halsey B. Avation, declared that, where connect the persoller at idline lendings are made with 50-sails speeds, and time severge in mitting

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Contributions

recent receipts facilities at San average companies and others Assert Corp., Sobr Aircraft Corp., Solar Aircraft Co., Bran.

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for occuprity and other facilities. DAIR Trains and Pickup-Cities and pickup equipped carpo aircraft, he said full exploitation of larver "collection centers" by sickup tues. Use of sliders would also

pickep and straight carry corretions to be "countly communical" elyler service advantages to untry with noof ground transport.

h Military Experience -- Kenemany exped in rolliery economics. Maor Ricesqual says, is sufferent to Arroraft Cara: New York's Idle-

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(Books rose on appropriate \$1.5 mily) ____ Braniff Forms New Airmail, Cargo Unit will be to develop a complete car-

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SHORTLINES

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Brazil Arrways reports that of eavy the last my months of 1943. planes new fly more than 16,900 miles ésdy. Revenue márs la SenGoose Bay Airport Leased by Canada

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Airline Revenues Off Airlines, Ltd., drawned from 121. 943, to \$27,500,919 for the many period this year, according to Aurenatics Board Gross oversthowever, jumped from \$115,139,-

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Congress and an Air Policy

A PER RECTION IT WILL BE Impacted in The tree marrier it will be renerative that an

mand attention. The task one he started now in On Camtol Hill will depend in the final analysis.

and serial commerce takes over The surines have no sies what our post-war surveys before pleading in Washington for the right to serve hundreds of communities. Fixed have operators have no idea of conditions they rough face. There is no necessary to continue rightisn air training of youth, and we mak losing a vital reservour of defense strength. The private flyre hopes simpler morelations will continue, and present level, or 15 percent, or whether he will be

one of those who cease to exist All of this stems from a lack of policy, which cannot be corrected next month or perhaps next wear But the freal remangibility is that of Con-Senators, or to either House or Senate There should be a select committee syttles worthy and numbering among its members men who can

and start its work before the war ends and the If this is done, the new Congress may have presented to it the groundwork for an organized assertment assertes regulating it will have a have before them a clearer delineation of federal

mattees, with no action apparent to move them because they are too controversial. Probably not

receive a staggering blow sout attempts to measure up to its removabilities and opportunities in peace

Passing Pilot Physical Exams

PROPERTY OF WORLD-OR PRIOTS HAVE been tassed It near appears that CAB will order into effect sampler medical regulations about the first of the odots and eliminate an annual examination. It prise, who knows the applicant and his cost medical history, will be allowed for the first time to pear on potential pulsts every two years rather than a breited number of specially designated Even before this change is effective, however, some paggrations may speed the reusent laborious.

Analizants who have been duringged from the Arrey or Navy because of physical disabilities must up action on the theory that the disability may make the man a dangerous pilot New applicants are ursed to take their physical examinations before they invest in ground or flight training, or purchase aircraft. This will prevent financial loss in event of failure to meet obvami standards. Applicants or priots who fad doctor after remedial action has been taken, or on to exceller exampler at once, but they work report the last previous extenination. Applicants who are rejected should write to the Civil Aere-

nautor Administration's medical division in Washserings did not inform them, and saking what can he done. They should also consult an experienced matruciar or operator for advice Probably hundresis of applicants, once rejected, have never made exceller effort to ress, because they did not realize that by pensistence as takens their case to Washington they still stood some chance of ultimate approval. They should try assun-

Noney H. Woon



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